

FIG. 1

FIG. 2

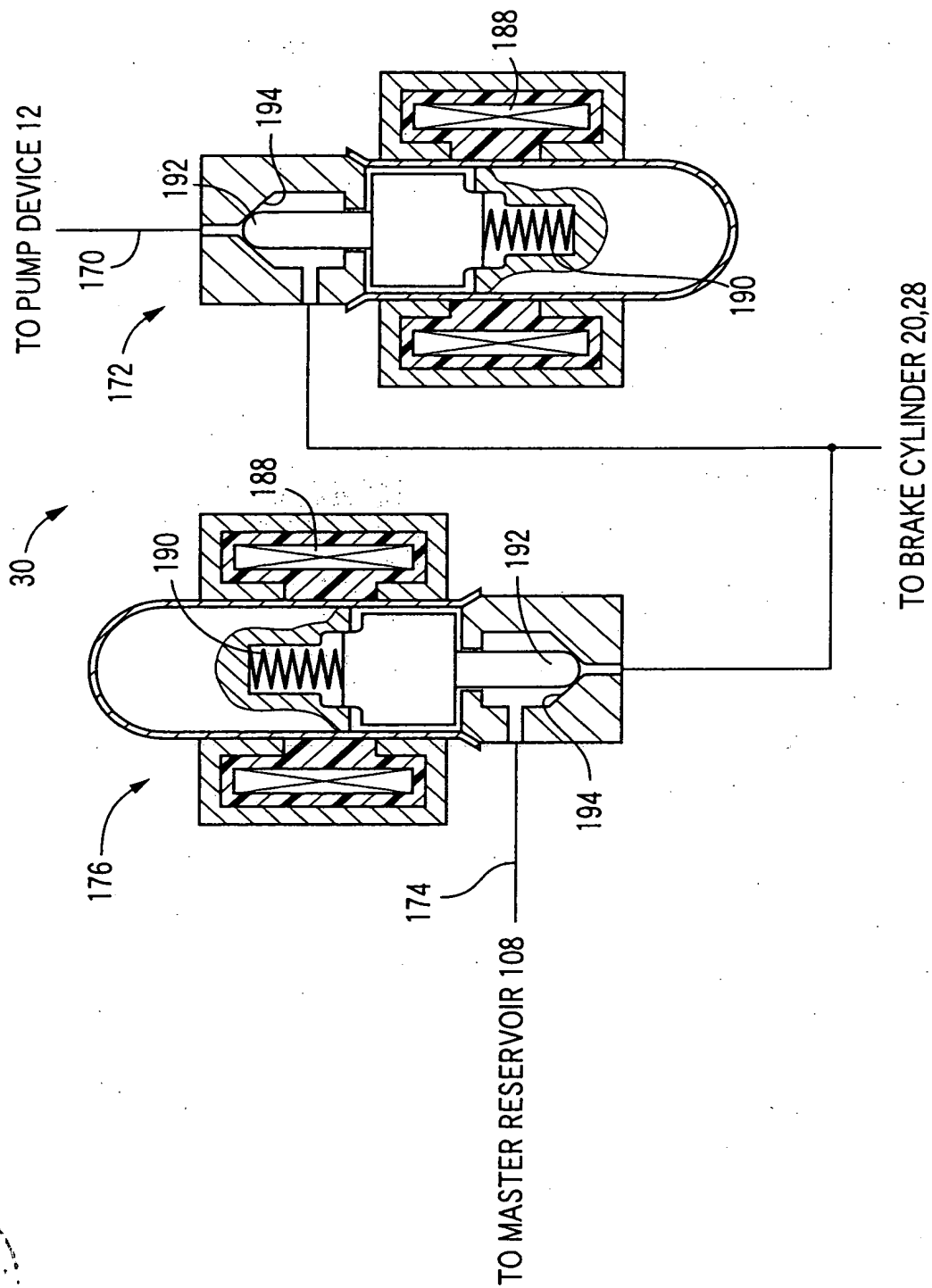


FIG. 3

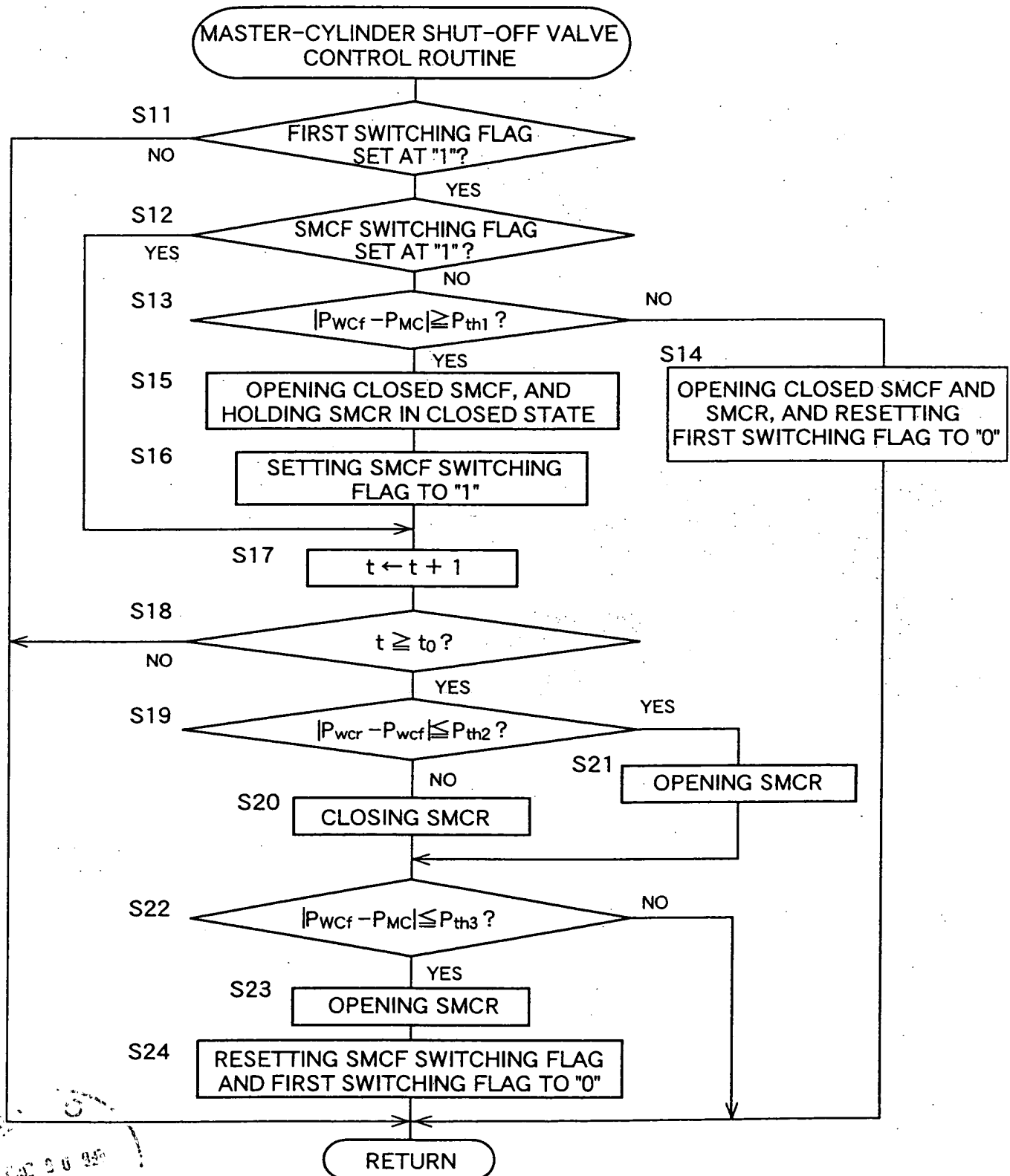


FIG. 4A
FRONT WHEELS

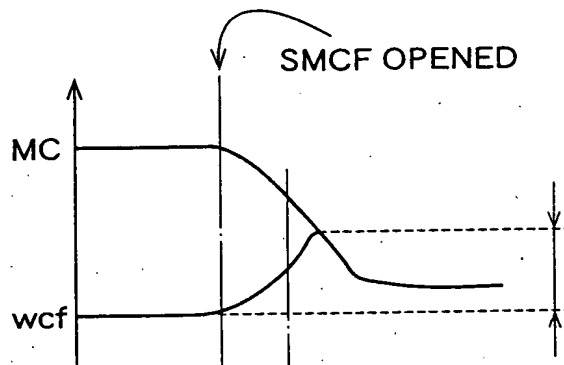


FIG. 4B
REAR WHEELS

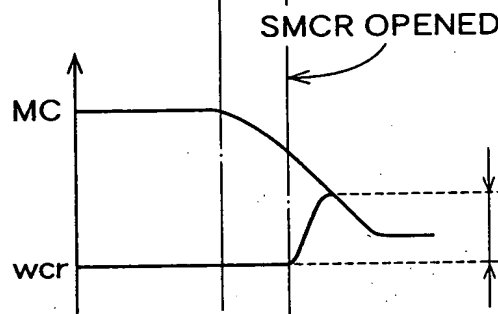


FIG. 4C
REAR WHEELS

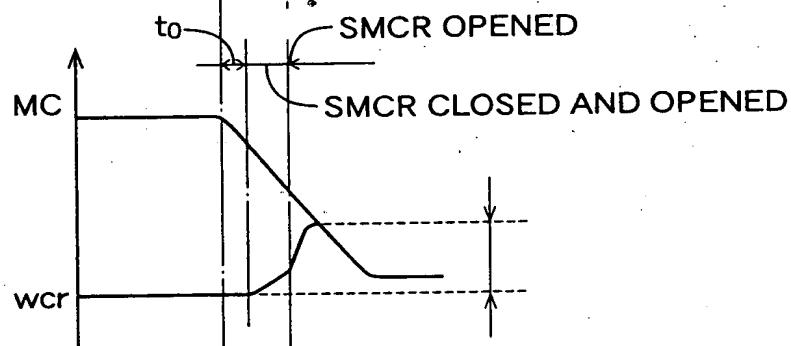


FIG. 4D
REAR WHEELS

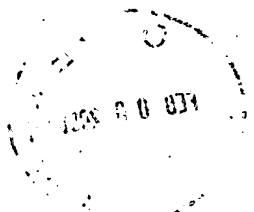
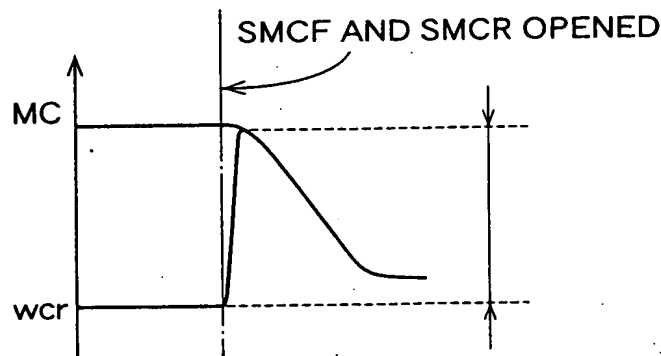
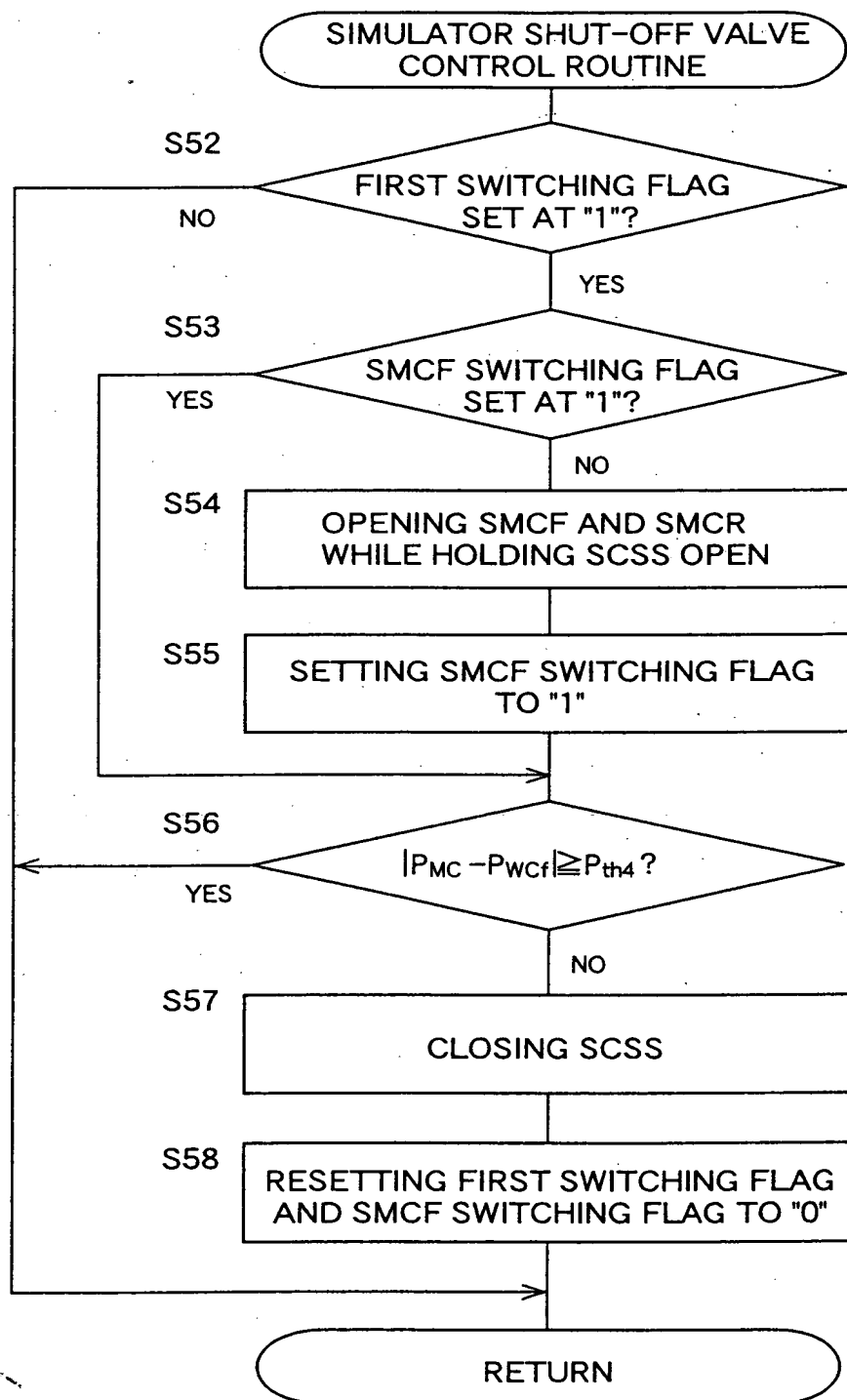


FIG. 5



T03030 04400 050

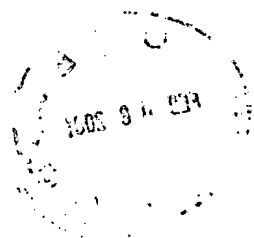
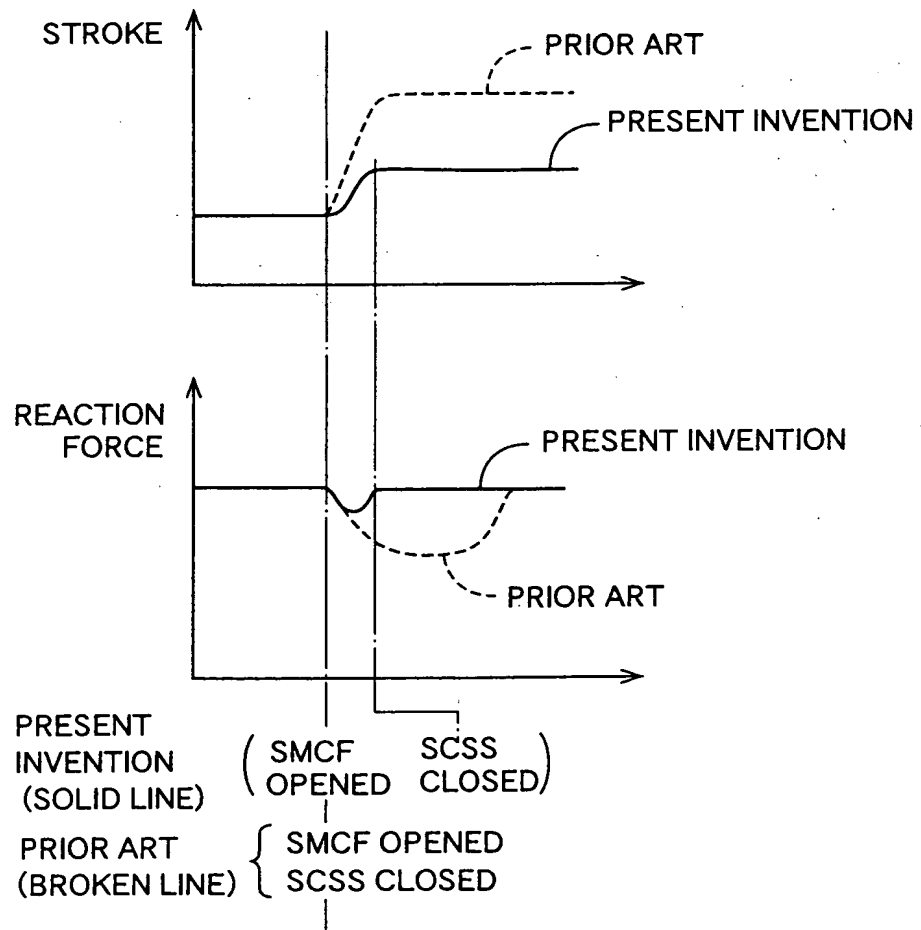
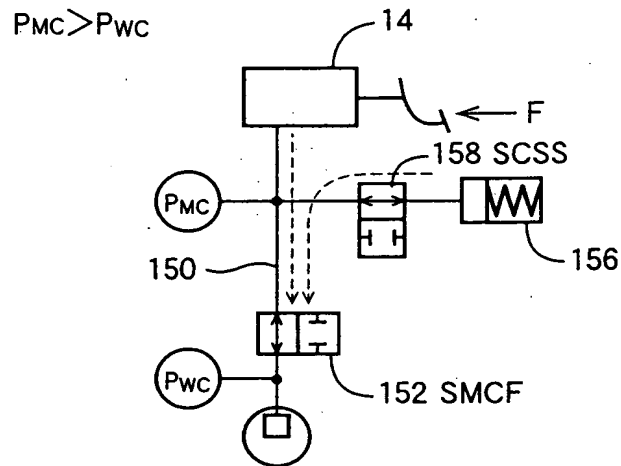


FIG. 6



1999-09-09

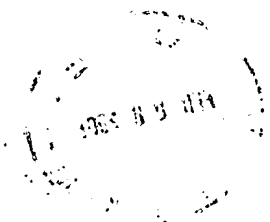
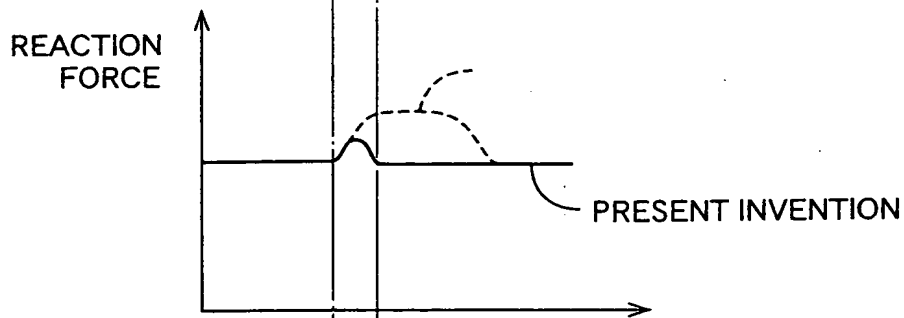
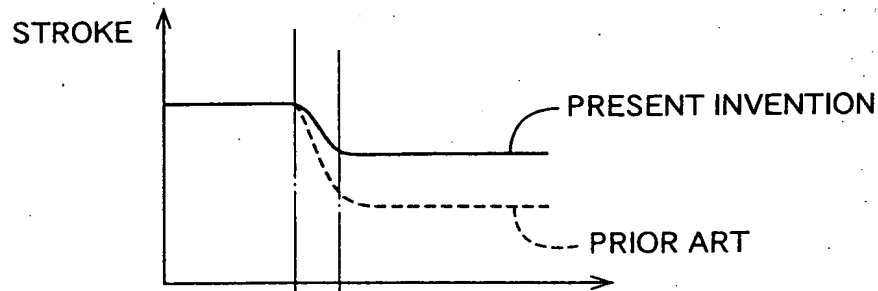
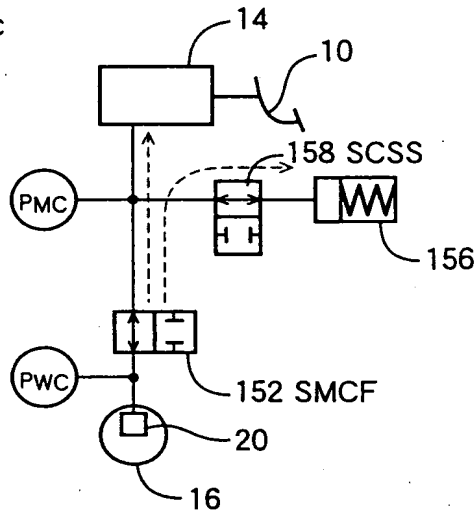


FIG. 7

$$P_{MC} < P_{WC}$$



PRESENT INVENTION (SOLID LINE) (SMCF OPENED SCSS CLOSED)

PRIOR ART (BROKEN LINE) { SMCF OPENED SCSS CLOSED

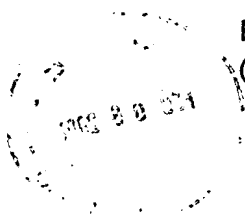
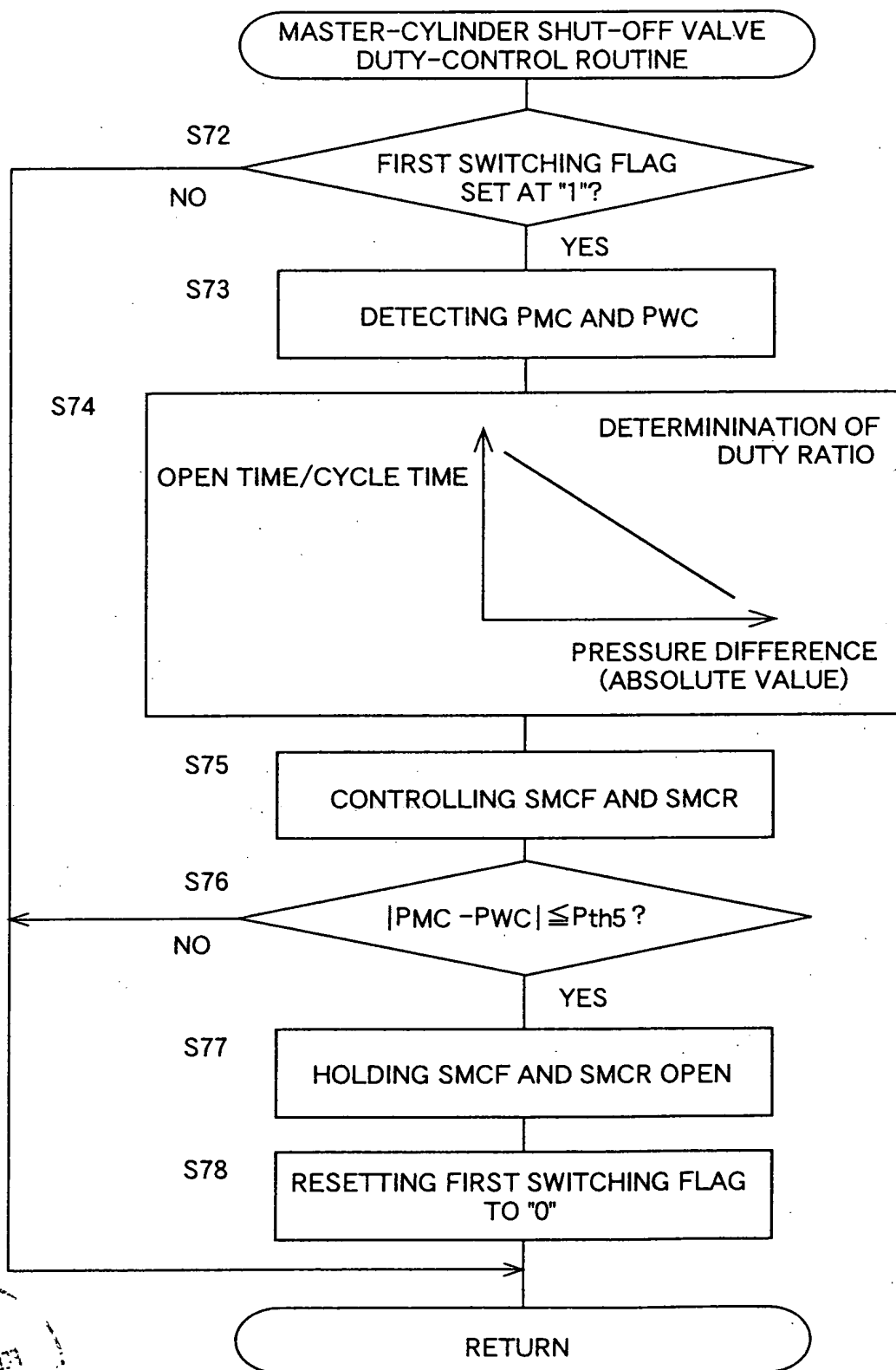


FIG. 8



20240409 09:00:00



FIG. 9

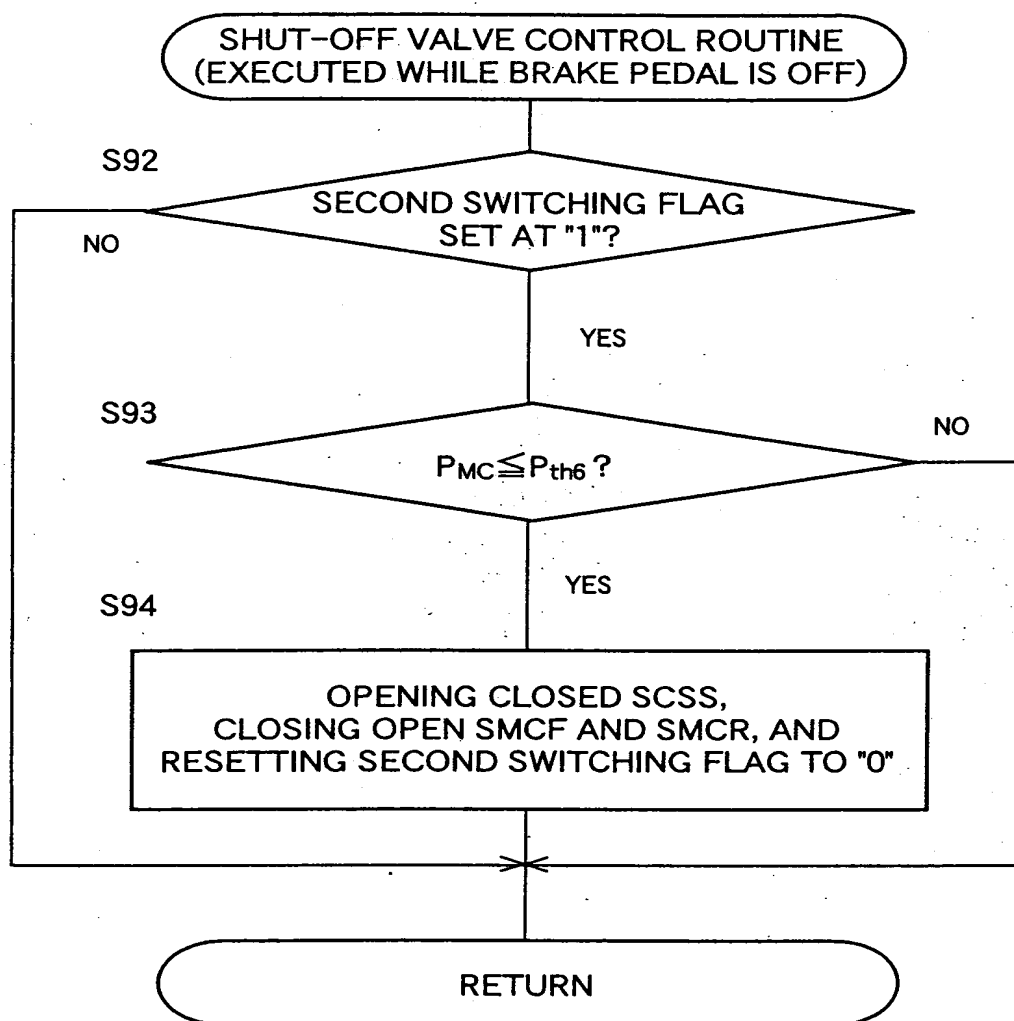


FIG. 10

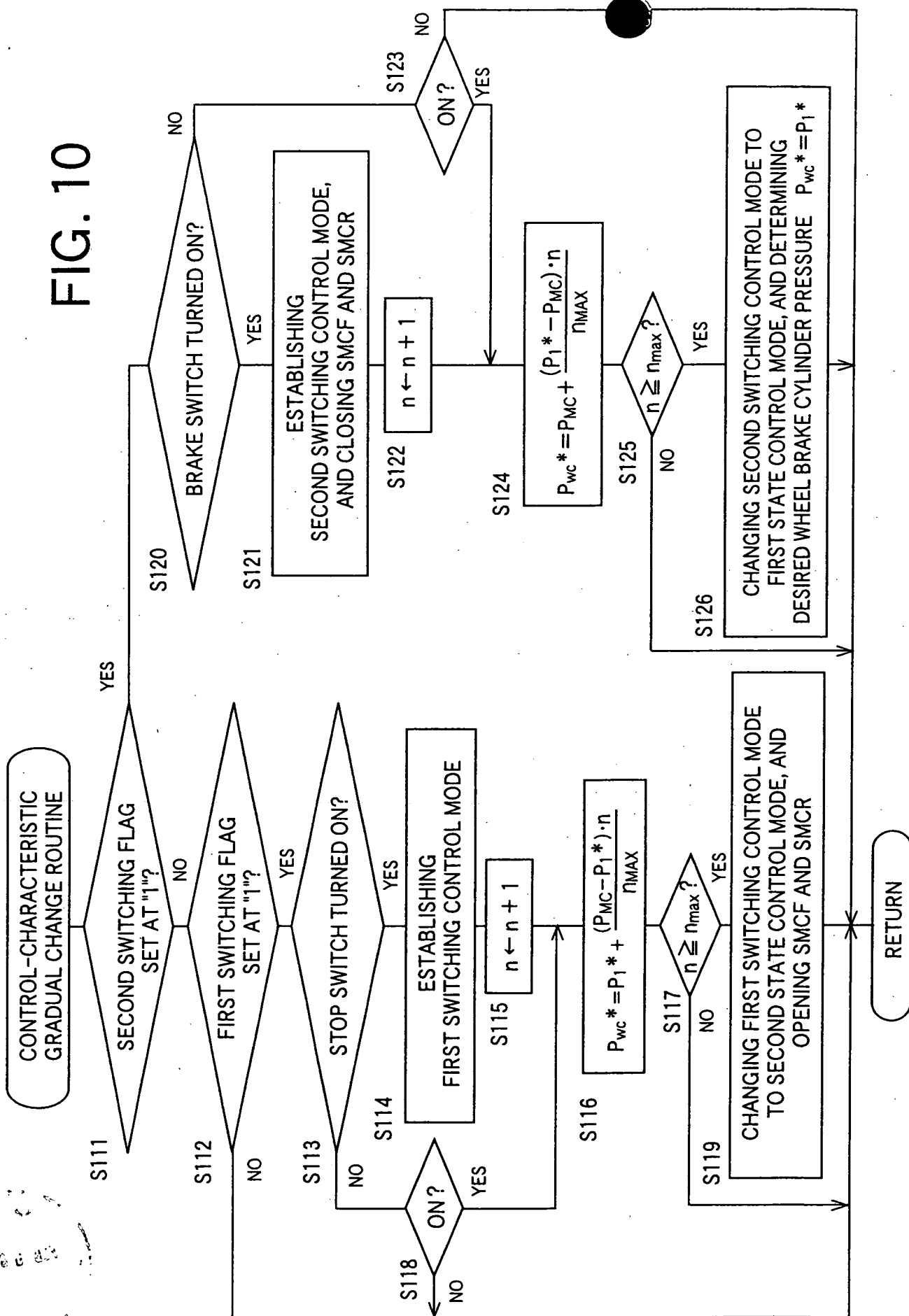


FIG. 11

CONTROL ROUTINE EXECUTED
UPON DETECTION OF FIRST
SWITCHING SYMPTOM

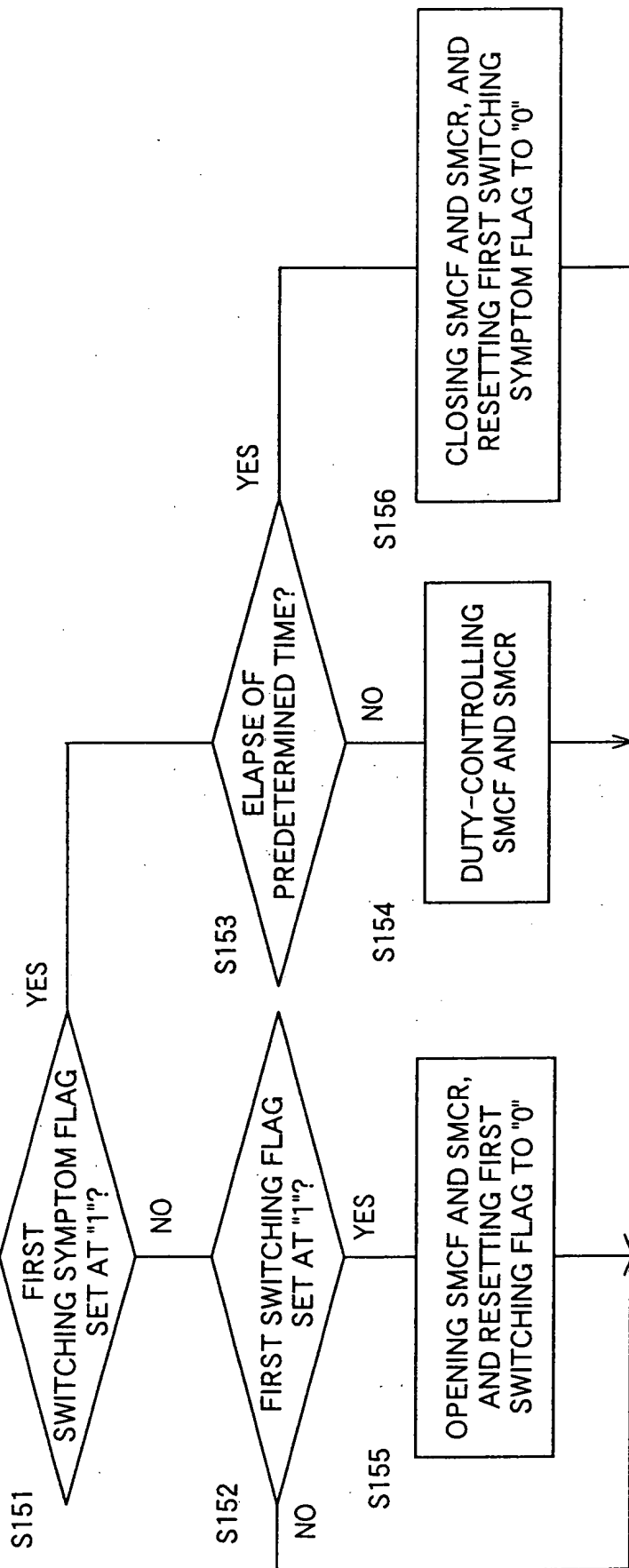


FIG. 12

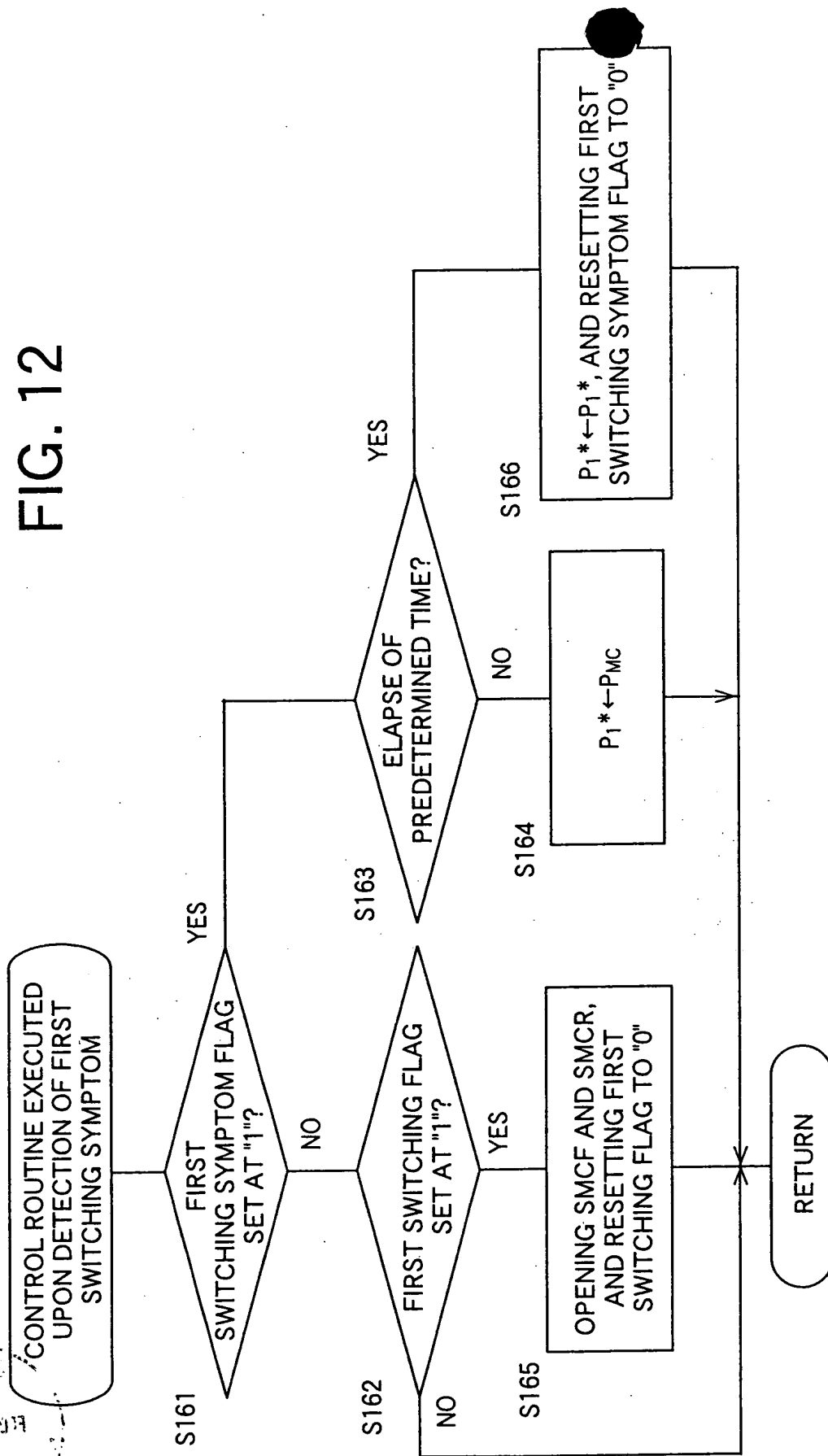


FIG. 13

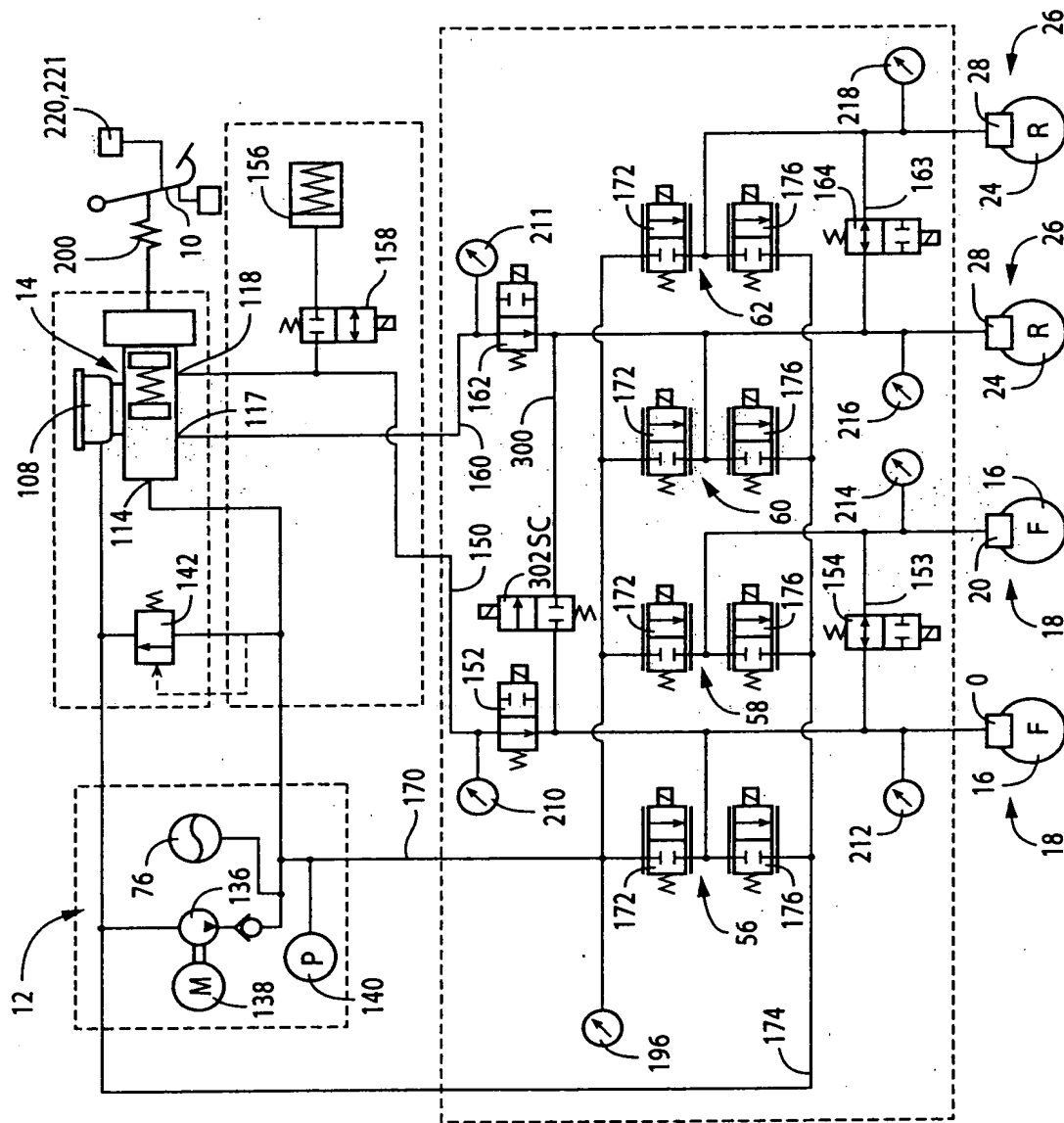
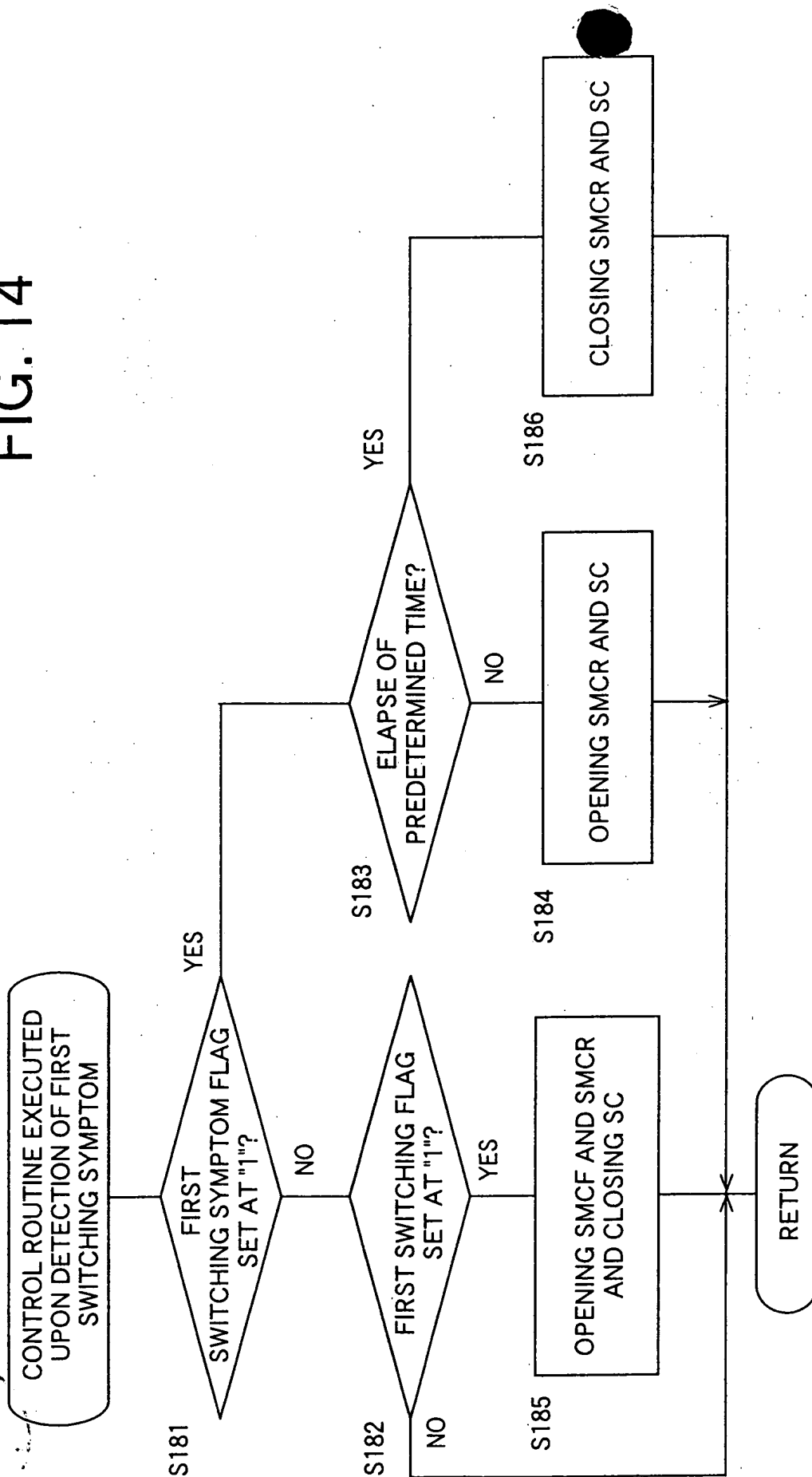


FIG. 14



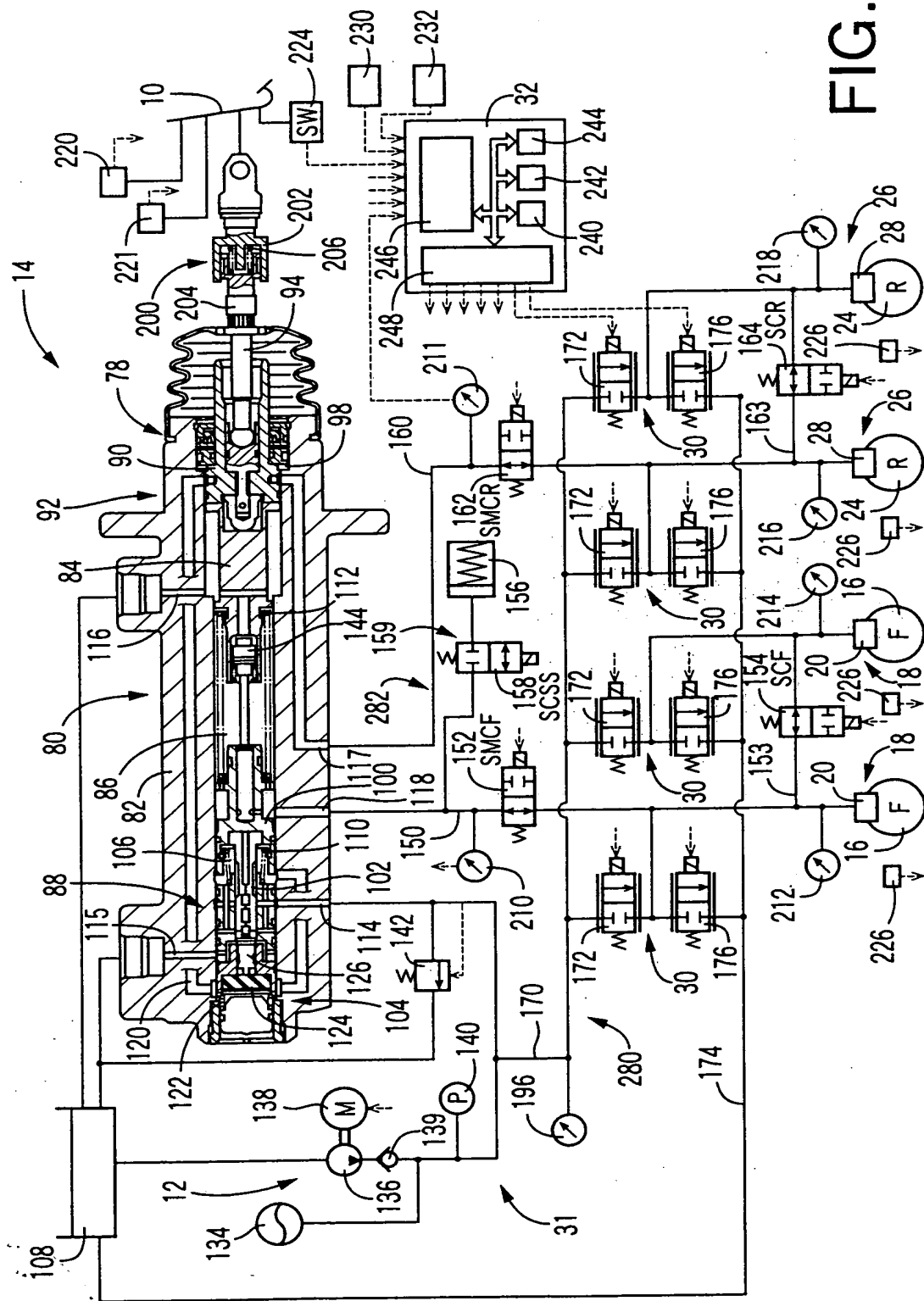


FIG. 15

FIG. 16

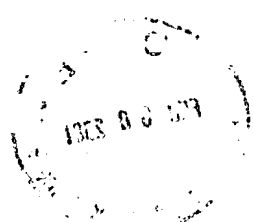
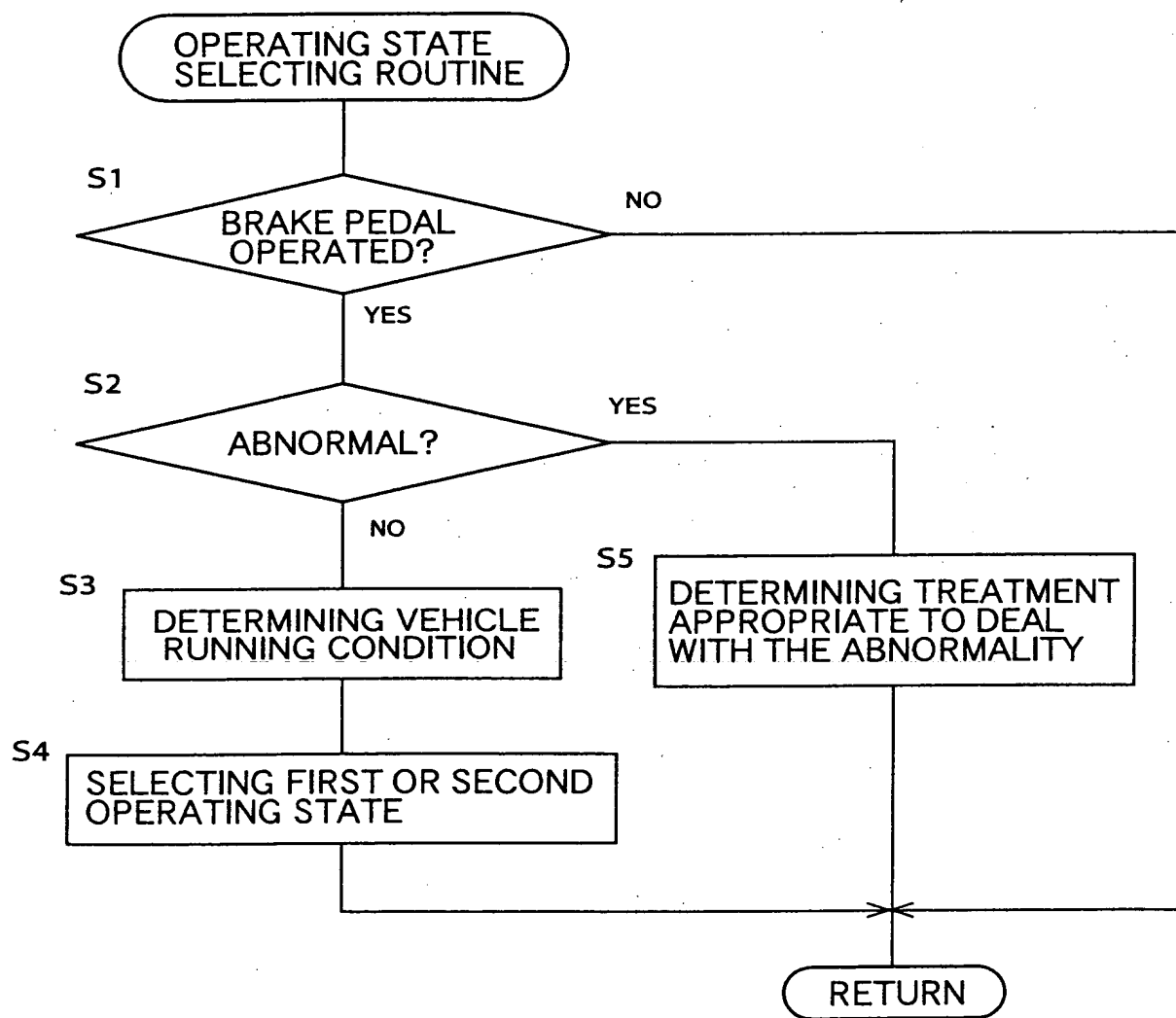


FIG. 17

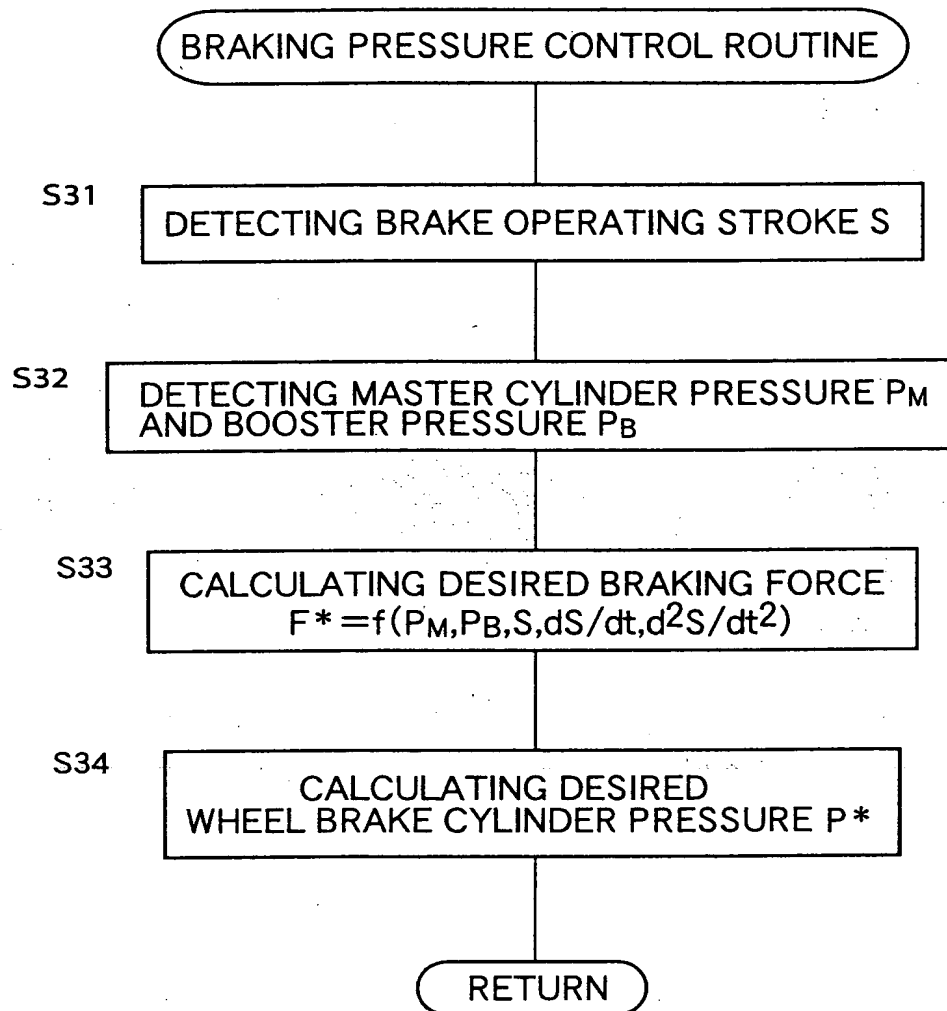
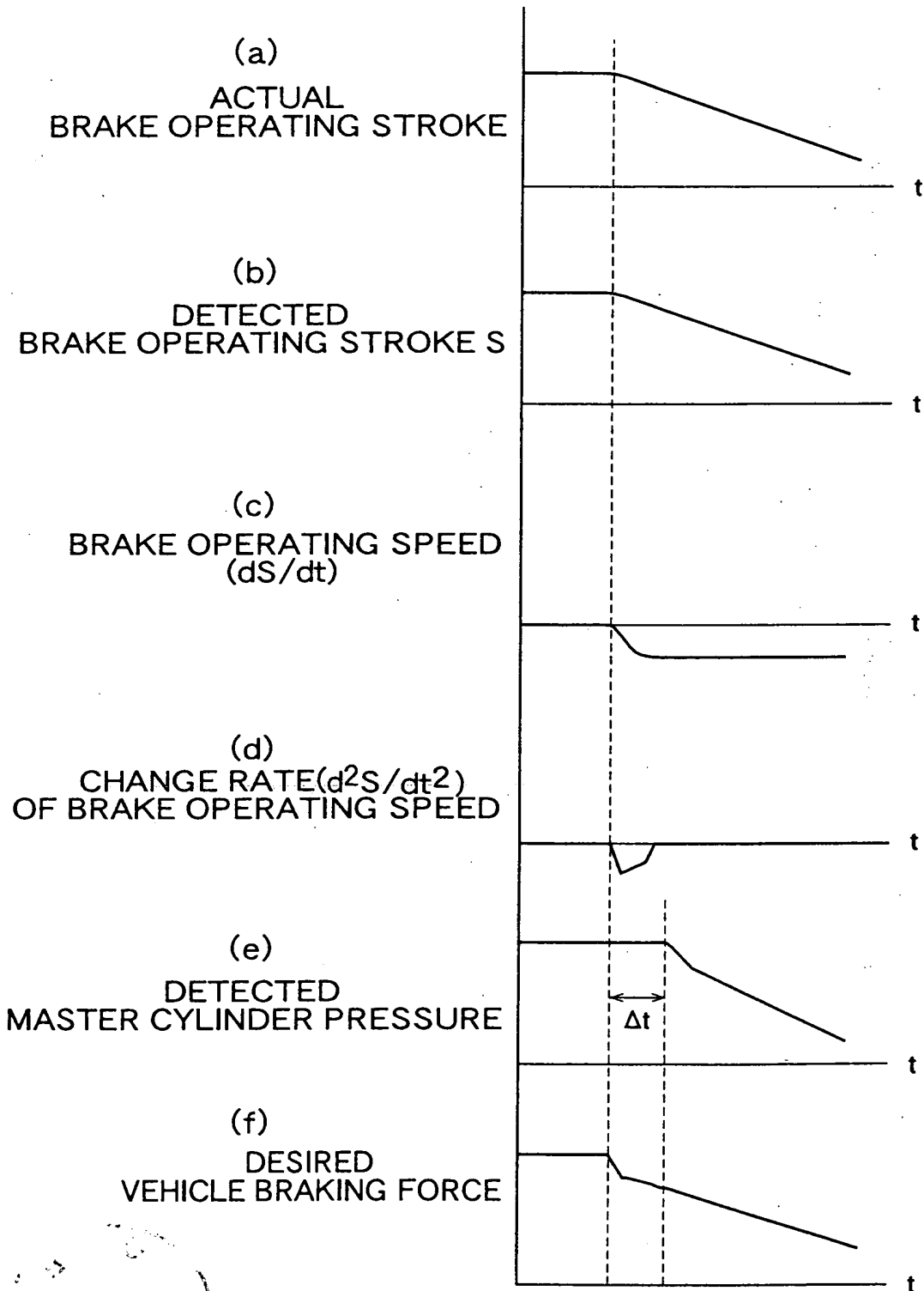


FIG. 18



0933440-02034

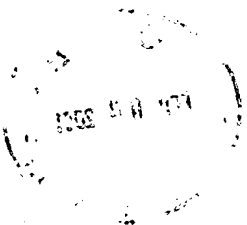


FIG. 19A

ABNORMAL DEVICES OR ELEMENTS		ABNORMAL STATE (TREATMENTS)	FIRST STATE	
			KEPT	INHIBITED
PUMP DEVICE (FIRST HYD. PRESSURE SOURCE)	PUMP MOTOR	LOW ACCUMULATOR PRESSURE		O
	PUMP	LOW ACCUMULATOR PRESSURE		O
	ACCUMULATOR	LOW ACCUMULATOR PRESSURE		O
SECOND HYD. SYSTEM	SHUT-OFF VALVE	STUCK IN CLOSED POSITION		O
	STROKE SIMULATOR	SHUT-OFF VALVE STUCK IN CLOSED POSITION		O
	HYDRAULIC BOOSTER	LOW MASTER CYLINDER PRESSURE OR LOW BOOSTER PRESSURE	O	
LINEAR VALVE DEVICES	INCREASING VALVE	STUCK IN OPEN POSIITON (PRESSURE DROP AFTER RAPID RISE → LOW ACCUMULATOR PRESSURE)		O
		STUCK IN CLOSED POSITION (OPENING COMMUNICATING VALVE)		O



05364402004

FIG. 19B

ABNORMAL DEVICES OR ELEMENTS		ABNORMAL STATE (TREATMENTS)	FIRST STATE	
			KEPT	INHIBITED
		(CONTROLLING 4 BRAKE CYLINDERS)		
	REDUCING VALVE	STUCK IN OPEN POSITION (CONTROLLING 3 BRAKE CYLINDERS)	O	
		STUCK IN CLOSED POSITION (OPENING COMMUNICATING VALVE) (CONTROLLING 4 BRAKE CYLINDERS)	O	
	FRONT OR REAR LINEAR VALVE	ABNORMAL VALVE IN SECOND STATE AND NORMAL VALVE IN FIRST STATE	O	
SENSORS	CYLINDER PRESSURE SENSOR	OPENING COMMUNICATING VALVE (CONTROLLING 4 BRAKE CYLINDERS)	O	
	ONE OF TWO ACC PRESSURE SENSORS	INACCURATE DETECTION OF ACC PRESSURE, ALTHOUGH THE DETECTION IS POSSIBLE BY THE OTHER NORMAL SENSOR		O

1992-04-01



1. The first part of the paper is devoted to a review of the literature on the topic. It starts with a general overview of the field, followed by a more detailed discussion of the specific issues at hand. The author then presents his own findings, which are based on a comprehensive analysis of the available data. Finally, he concludes with some thoughts on the future of the research.

100-80924

FIG. 20

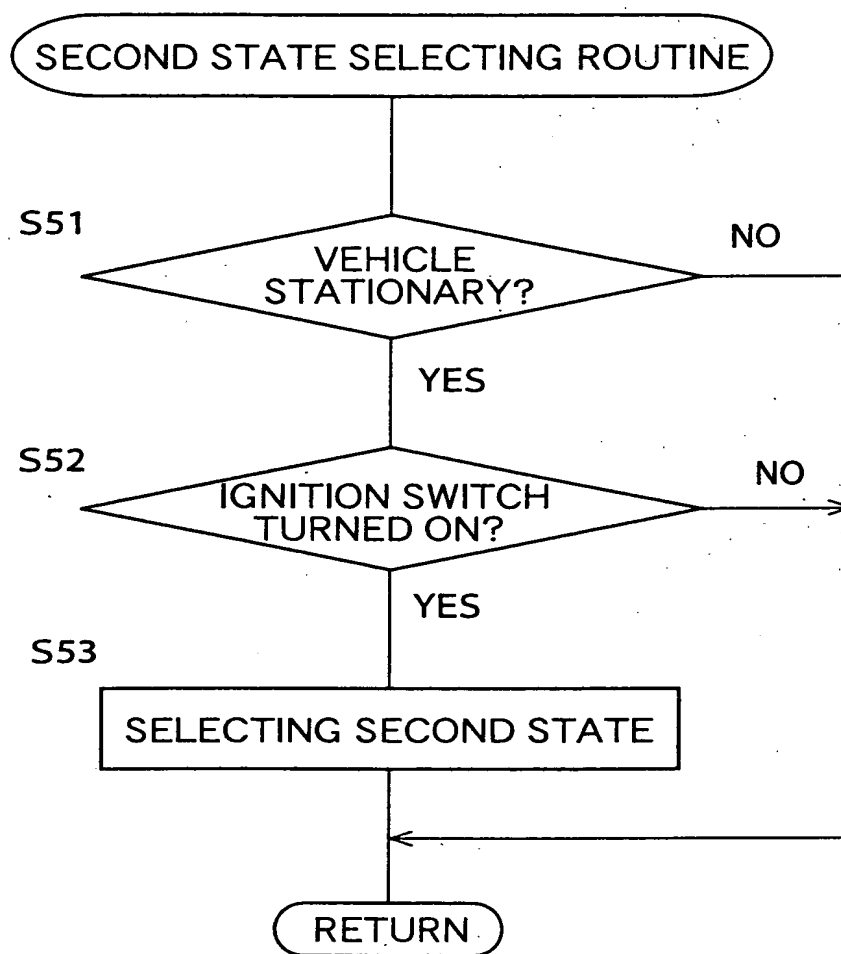


FIG. 21

BRAKING PRESSURE CONTROL ROUTINE
(EXECUTED UPON SWITCHING TO SECOND STATE)

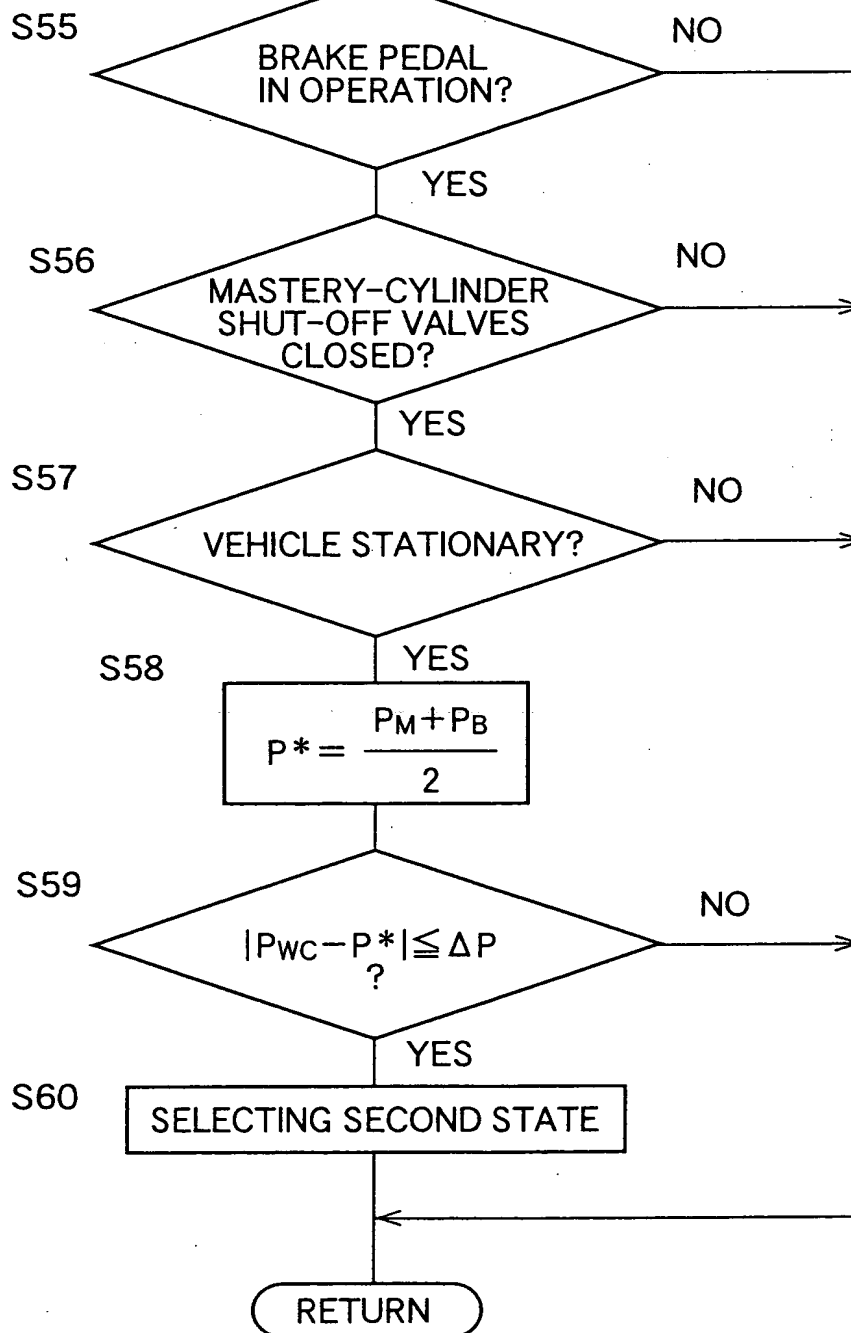


FIG. 22

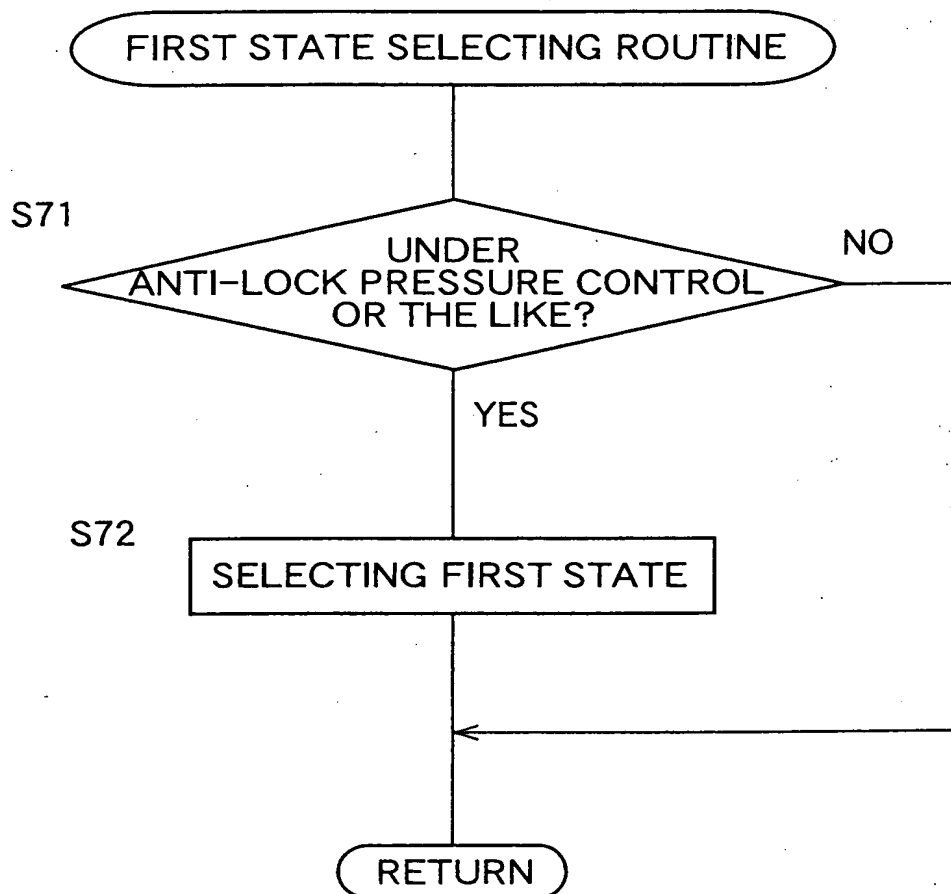
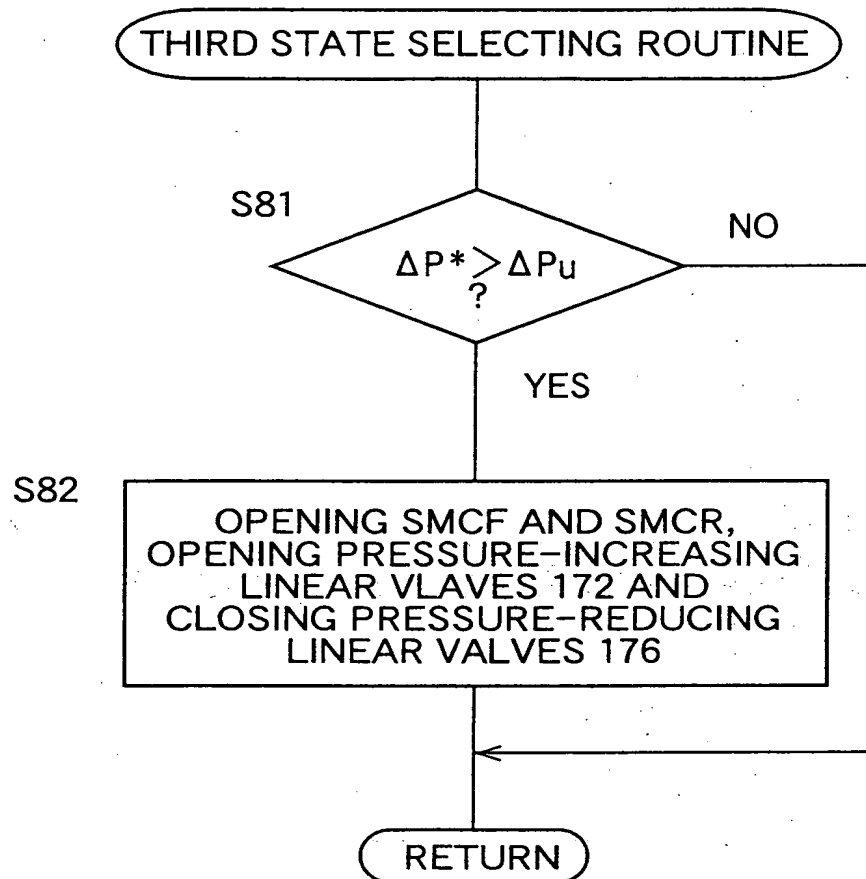


FIG. 23



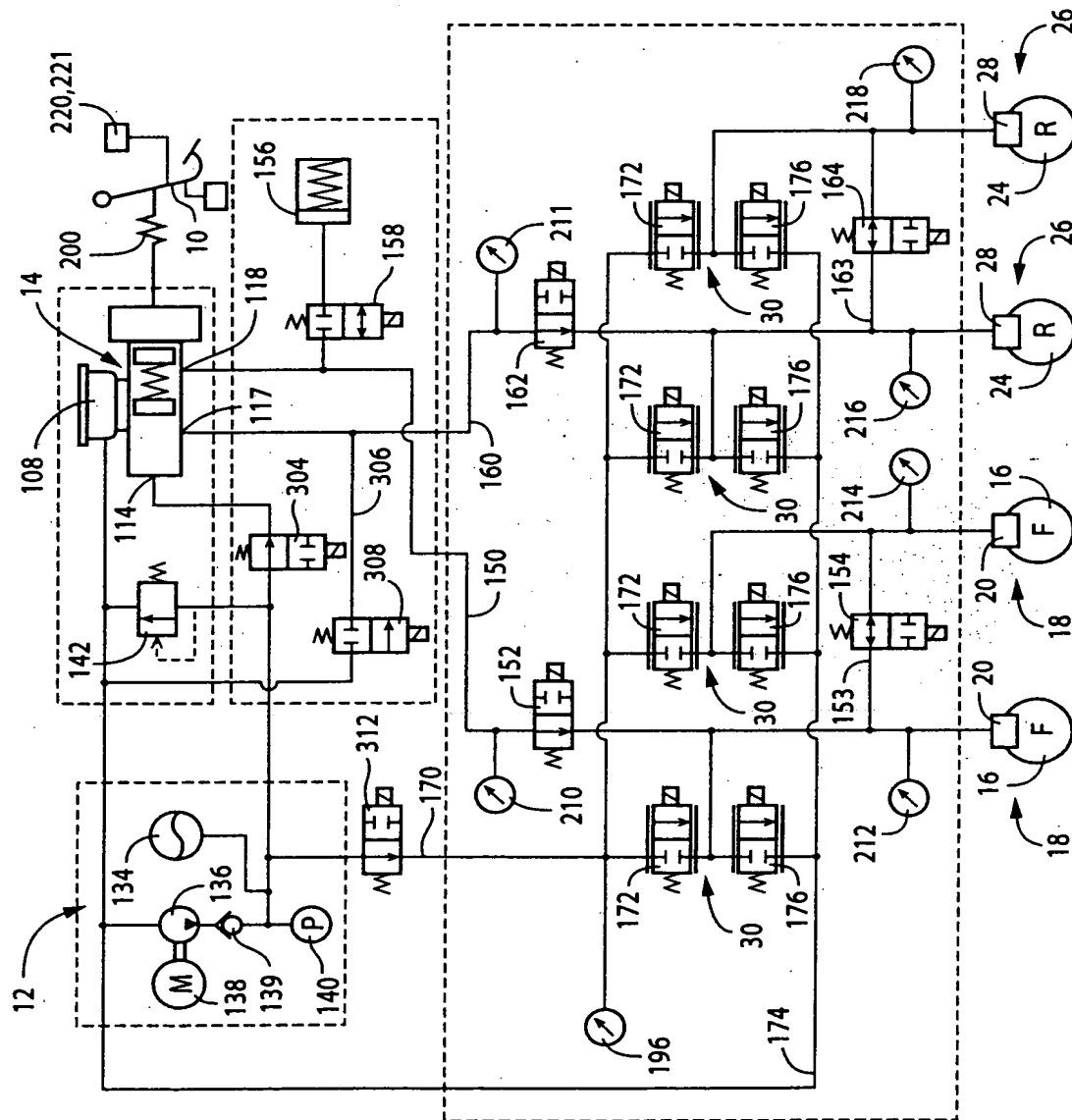


FIG. 25